SIEMENS

Data sheet 8MR2170-1DB

Thermostat NO contact +20 to 80 °C

Model	
product brand name	SIVACON
product designation	Small thermostat (NO)
design of the product	With NO contact
type of sensor	Thermal bimetal
design of the switching function	NO contact
design of the switching contact	Snap-action contact
General technical data	
mechanical service life (operating cycles) typical	100 000
mounting type	clip for 35 mm DIN rail
Voltage	
type of voltage of the operating voltage	AC
inrush current typical	10 A
operating voltage at AC rated value	250 V
Protection class	
protection class IP	IP20
Main circuit	
operational current rated value	10 A
Adjustable parameters	
adjustable temperature	
● initial value	20 °C
● full-scale value	80 °C
Product details	
product component	
● digital display	No
● hygrostat	No
Connections	
type of connection technology	2-pole terminal
Mechanical Design	
height	60 mm
width	33 mm
depth	43 mm
fastening method	terminal mounting
mounting position	any
net weight	0.04 kg
material of the enclosure	plastic
Environmental conditions	
relative humidity reference value	90 %
ambient temperature during operation	
● minimum	-45 °C

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• maximum	80 °C
ambient temperature during storage	
• minimum	-45 °C
• maximum	80 °C

Environmental footprint

Environmental Product Declaration(EPD)	Yes
Global Warming Potential [CO2 eq] total	1.12 kg
Global Warming Potential [CO2 eq] during manufacturing	0.184 kg
Global Warming Potential [CO2 eq] during operation	0.924 kg
global warming potential [CO2 eq] after end of life	0.015 kg

Approvals Certificates

General Product Approval				Declaration of Conformity	other
Confirmation					Miscellaneous

other	Environment
Confirmation	Environmental Confirmations

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/lowvoltage/catalogs
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=8MR2170-1DB
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/8MR2170-1DB
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=8MR2170-1DB
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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